



POSITION: Postdoctoral Appointee-Computer Science/Applied Mathematics Researcher

MANAGER: Jerry McNeish

JOB ID: 638503

Sandia National Laboratories is the nation's premier science and engineering lab for national security and technology innovation. We are a world-class team of scientists, engineers, technologists, postdocs, and visiting researchers—all focused on cutting-edge technology, ranging from homeland defense, global security, biotechnology, and environmental preservation to energy and combustion research, computer security, and nuclear defense. To learn more, visit <http://ca.sandia.gov/>.

DEPARTMENT DESCRIPTION

The Computer Sciences Group at Sandia National Laboratories/CA conducts research, development, and systems engineering in computer science and engineering to address important national security problems. Staff members work in multi-disciplinary teams and apply their expertise and software engineering skills to a wide range of applications for customers including the Departments of Energy, Defense, and Homeland Security.

JOB DESCRIPTION

We have an opening in computer science and applied mathematics for a postdoctoral researcher. We are particularly looking for an expert on graph modeling, mining, and analysis. Potential areas include, but not limited to, graph algorithms, graph and data mining, linear and multilinear algebra, statistics, and optimization. Our researchers are expected to conduct innovative research, publish and present results in refereed journals and conferences, develop open-source software, and seek out new and interesting problems of national importance.

QUALIFICATIONS

Required

An advanced degree (PhD or equivalent) in computer science, mathematics, statistics, or a related area is required for this position, as is a strong record of academic performance (3.5 GPA or higher). Candidates must be able to work in a collaborative research environment and must provide evidence of relevant research expertise in the form of technical publications, presentations, software, and/or knowledge of applications. Other required qualifications include software development competence in C++, Java, MATLAB, or a related language; proficiency in solving problems, prioritizing work, and making decisions; and excellent written- and oral-communication skills.

Desired

Expertise in one or more of the following areas is desired for this position: graph analysis, graph analysis, statistics and inference, machine learning, computational combinatorics, data mining, and mathematics of complex systems. Other desired qualifications include a background in solving practical problems in science and engineering; encounters with real-world data; and proficiency in software engineering, and high-performance computing experience.

ABOUT SANDIA

Sandia provides employees with a comprehensive benefits package that includes medical, dental, vision, and a 401(k) with company-match. Our culture values work-life balance; we offer programs such as flexible work schedules with alternate Fridays off, on-site fitness facilities, and three weeks of vacation. In addition, Sandia/California enjoys close proximity to San Francisco, the Silicon Valley, first-tier universities, and diverse cultural and year-round recreational opportunities.

HOW TO APPLY

Apply at: <http://tinyurl.com/63rquzg> for Job Number 638503.

Sandia National Laboratories is an Equal Opportunity Employer M/F/D/V. If this position requires a security clearance granted by the U.S. Department of Energy (DOE), U.S. citizenship and employee eligibility for clearance processing will be required at the time of hire. If you hold dual citizenship and accept a job offer for a position that requires a DOE-granted security clearance, you may be asked by DOE to renounce your foreign citizenship and retain only your U.S. citizenship.